SAFETY DATA SHEET

Date Issued : 5/8/2015
MSDS No : PP SUPERCURE AL
Date Revised : 5/8/2015
Revision No : 2

PACIFIC POLYMERS Supercure AL

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PACIFIC POLYMERS Supercure AL

MANUFACTURER
ITW Polymers Sealants North America
12271 Monarch St.
Garden Grove, CA 92841
Product Stewardship: (714) 898-0025

24 HR. EMERGENCY TELEPHONE NUMBERS
CHEMTREC (US Transportation): (800) 424-9300

COMMENTS: PACIFIC POLYMERS is a registered trademarks of Illinois Tool Works, Inc.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Corrosion, Category 1C
Serious Eye Damage, Category 1
Skin Sensitization, Category 1

GHS LABEL

Exclamation mark

Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.

PRECAUTIONARY STATEMENT(S)

Prevention:

[201]: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash hands, forearms, and other exposed areas thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin

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with water/shower.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P331: Do NOT induce vomiting.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P370+P378: In case of fire: Use appropriate media to extinguish.
P391: Collect spillage.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Disposal:

P501: Dispose of contents/container according to local, regional, national, and international regulations.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: WARNING! Corrosive Liquid. Combustible liquid and vapor. May cause eye irritation. May cause skin burns.

POTENTIAL HEALTH EFFECTS

EYES: Causes severe eye burns.

SKIN: Product is corrosive. May cause burns.

INGESTION: Product is considered to have a low order of acute oral toxicity.

INHALATION: May cause irritation to the nose, throat and respiratory tract. May cause headaches and dizziness.

ROUTES OF ENTRY: Eye and Skin Contact, Inhalation and Ingestion

IRRITANCY: Eyes, nose, throat, respiratory tract, and skin irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Isophoronediamine Isobutyraldimine	100	54914-37-3

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash or dispose of clothing before reuse.

INGESTION: Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

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SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Liquid and vapor can severely irritate the eyes depending on type of exposure (splash, vapor) and exposure time.

SKIN: Product is corrosive. May cause skin burns.

INGESTION: Not likely route of entry. May cause nausea and vomiting if ingested.

INHALATION: Respiratory tract irriation. High concentration may cause dizziness, headache, and anesthetic effects.

ACUTE TOXICITY: Irritant to the eyes, skin and respiratory tract.

CHRONIC EFFECTS: Prolonged skin contact causes burns.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IIIA

GENERAL HAZARD: Combustible Liquid.

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray or fog.

EXPLOSION HAZARDS: Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flash point. Autoignition may occur with combustible materials.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus with pressure-demand, full face piece SCBA (MSHA/NIOSH approved or equivalent) and full protective gear.

SENSITIVITY TO IMPACT: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous fumes in fires, oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the appropriate personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Know and prepare for spill response before using or handling this product. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled containers for disposal. Use appropriate PPE. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation).

HANDLING: Use adequate ventilation and appropriate respiratory protection to avoid breathing vapors when

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cover is removed. Ground and bond all equipment when handling flammable solvent-borne material.

STORAGE: Keep container closed when not in use. Store in a dry, well ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container.

SHELF LIFE: 1 year from manufacture date

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		**ppm**	**mg/m³**	**ppm**	**mg/m³**
Isophoronediamine Isobutyraldimine	**TWA**	NL [1]	NL [1]	NL [1]	NL [1]
	STEL	NL [1]	NL [1]	NL [1]	NL [1]
Footnotes: **1**. NL = Not Listed					

ENGINEERING CONTROLS: Provide sufficient explosion proof mechanical (general and/or local exhaust) ventilation to maintain exposure below the occupational exposure limit and exposure concentration.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) or a full face respirator.

SKIN: Wear chemical protective clothing & boots to prevent repeated or prolonged skin contact. Wear impervious gloves, if needed, to prevent repeated or prolonged skin contact.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Wear chemical resistant gloves, such as nitrile rubber.

WORK HYGIENIC PRACTICES: Use good hygiene practices when handling this material. Wash hands thoroughly after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Amine-like odor

COLOR: Clear to yellowish

pH: Not Determined

PERCENT VOLATILE: < 1.0 % by weight

FLASHPOINT AND METHOD: 77°C (171°F) DIN 51758

FLAMMABLE LIMITS: Not Available to Not Available

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AUTOIGNITION TEMPERATURE: 240°C
Notes: DIN51794
VAPOR PRESSURE: 0.5 kPa at 100.0°C
VAPOR DENSITY: Not Determined
BOILING POINT: 302°C
FREEZING POINT: Not Determined
MELTING POINT: Not Determined
POUR POINT: Not Determined
SOLUBILITY IN WATER: Insoluble, very slowly hydrolyzes
EVAPORATION RATE: < 1.0 (n-Butyl Acetate=1)
DENSITY: 7.25 lbs/gal
PARTICLE SIZE: Not Determined
SPECIFIC GRAVITY: 0.87
VISCOSITY #1: < 500 cps
MOLECULAR WEIGHT: Not Determined
(VOC): 293.000 gr/L EPA Method 24 VOC
COEFF. OIL/WATER: Not Determined
OXIDIZING PROPERTIES: Not Determined

10. STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: No
STABILITY: Stable.
POLYMERIZATION: Product will not undergo polymerization.
CONDITIONS TO AVOID: Avoid exposure to high temperature. Avoid heat, sparks and flame.
POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.
HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products from hydrolysis in water
INCOMPATIBLE MATERIALS: Humidity, water, strong oxidizing agents, combustible materials

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD_{50} (rat)	DERMAL LD_{50} (rabbit)	INHALATION LC_{50} (rat)
Isophoronediamine Isobutyraldimine	4150 mg/kg (rats)	> 5000 mg/kg (rat)	No data

IRRITATION: Eyes, nose, throat, respiratory tract irritation.

12. ECOLOGICAL INFORMATION

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ENVIRONMENTAL DATA: This product contains components that may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

ECOTOXICOLOGICAL INFORMATION: Contains components that are potentially toxic to freshwater and saltwater ecosystems.

BIOACCUMULATION/ACCUMULATION: No information for bioaccumulation is available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Amines, Liquid, Corrosive, N.O.S.
TECHNICAL NAME: (Blocked Amine)
PRIMARY HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: 2735
PACKING GROUP: III
LABEL: Corrosive

AIR (ICAO/IATA)

SHIPPING NAME: Amines, Liquid, Corrosive, N.O.S.
TECHNICAL NAME: (Blocked Amine)
UN/NA NUMBER: 2735
PRIMARY HAZARD CLASS/DIVISION: 8
PACKING GROUP: III
LABEL: Corrosive

VESSEL (IMO/IMDG)

SHIPPING NAME: Amines, Liquid, Corrosive, N.O.S.
TECHNICAL NAME: (Blocked Amine)
UN/NA NUMBER: 2735
PRIMARY HAZARD CLASS/DIVISION: 8
PACKING GROUP: III
LABEL: Corrosive

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** Yes

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION

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Toxic

Corrosive

16. OTHER INFORMATION

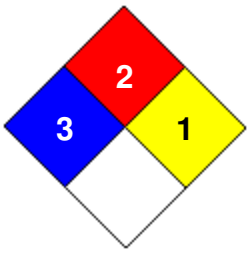
INFORMATION CONTACT: (714) 898-0025

REVISION SUMMARY: This MSDS replaces the 5/1/2015 MSDS. Revised: **Section 1:** Date Issued.

HMIS RATING

HEALTH	*	3
FLAMMABILITY		2
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

NFPA CODES



GENERAL STATEMENTS: Keep out of reach of children
For professional or industrial use only

MANUFACTURER DISCLAIMER: This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his/her evaluation of the product's hazards and safety precautions to be taken in its use. The data in this SDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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